

Appl. No. 10/645,462
Amdt. dated November 11, 2005
Reply to Office action of September 16, 2005

Amendments to the Specification:

Please replace the paragraph [0001] at page 2, with the following rewritten paragraph:

[0001] This application is a continuation-in-part of co-pending application Ser. No. 09/853,534, filed May 11, 2001 (now abandoned), and which is incorporated herein by reference.

Please replace the Abstract at page 34, with the following rewritten paragraph:

A hub assembly, which accommodates rotation about an axis with a change in angular velocity, includes a carrier that is attached to a supporting structure, a shaft having a pair of sun rollers located in the carrier, a hub having a pair of rings, each surrounding a different sun roller, and planet rollers arranged in two rows between the sun rollers and the rings. The sun rollers have tapered raceways, as do the rings, and the planet rollers have tapered side faces along which they contact the raceways. The carrier has axles about which the planet rollers rotate, with each axle supporting a roller of each row. The planet rollers bear against each other at beveled end faces such the rollers on each axle back each other. Each roller contains an antifriction bearing which enables it to revolve on its axle and transfer radially and/or axially directed loads to the carrier. The planet roller axles are supported in the carrier such that wheel loads are transferred from the hub to the carrier and then to a supporting structure to which the

Appl. No. 10/645,462
Amdt. dated November 11, 2005
Reply to Office action of September 16, 2005

carrier is mounted such that the wheel loads bypass a central shaft which extends through the hub and carrier.

Page 3 of 21

10 November 2005
N:\Patents\TINIK\Applications\TINIK 078591\TINIK 7859C1\TINIK 7858C1 - Amendment A.doc